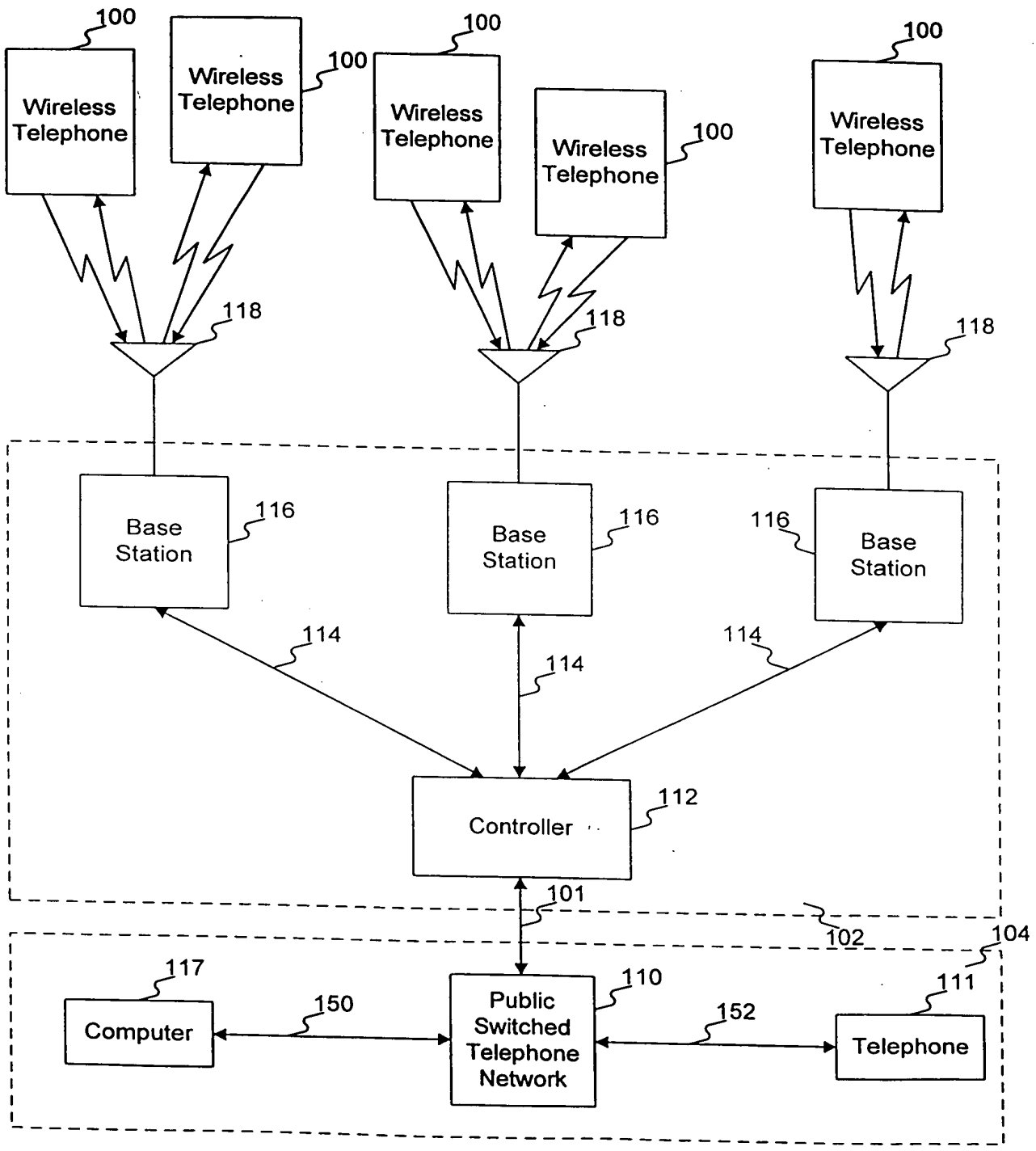

100
Wireless Telephone
100
Wireless Telephone
100
Wireless Telephone
100
Wireless Telephone
100
Wireless Telephone
118
118
118
Base Station
116
Base Station
116
Base Station
116
114
114
114
Controller
112
101
102
104
117
Computer
150
Public Switched Telephone Network
110
152
111
Telephone
10

FIG. 1

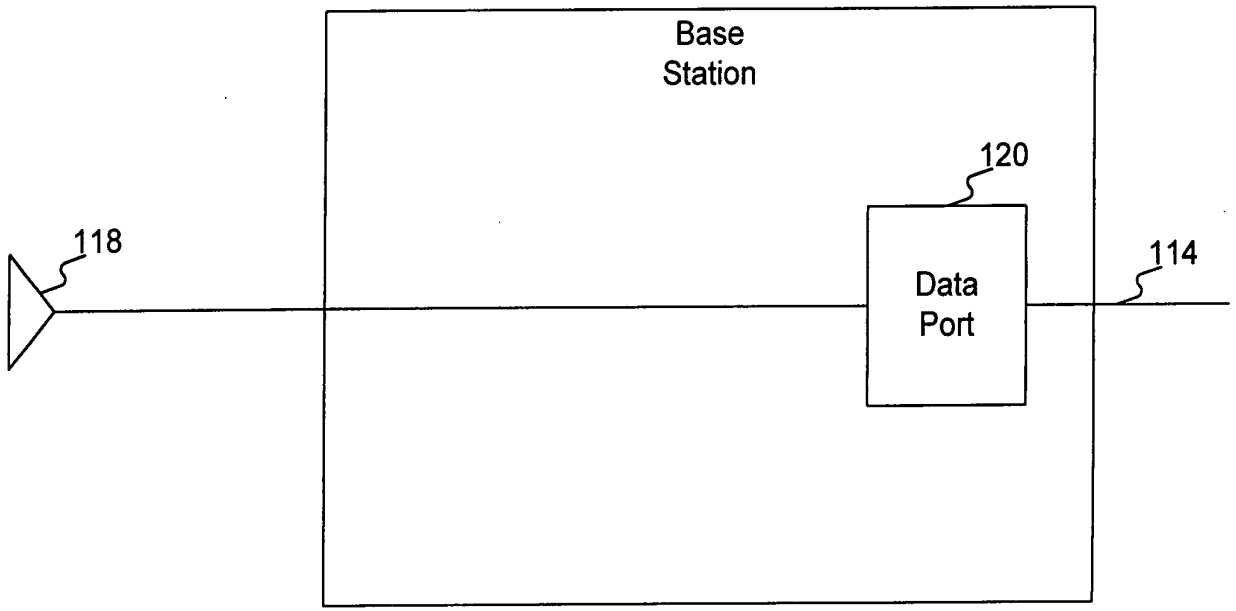
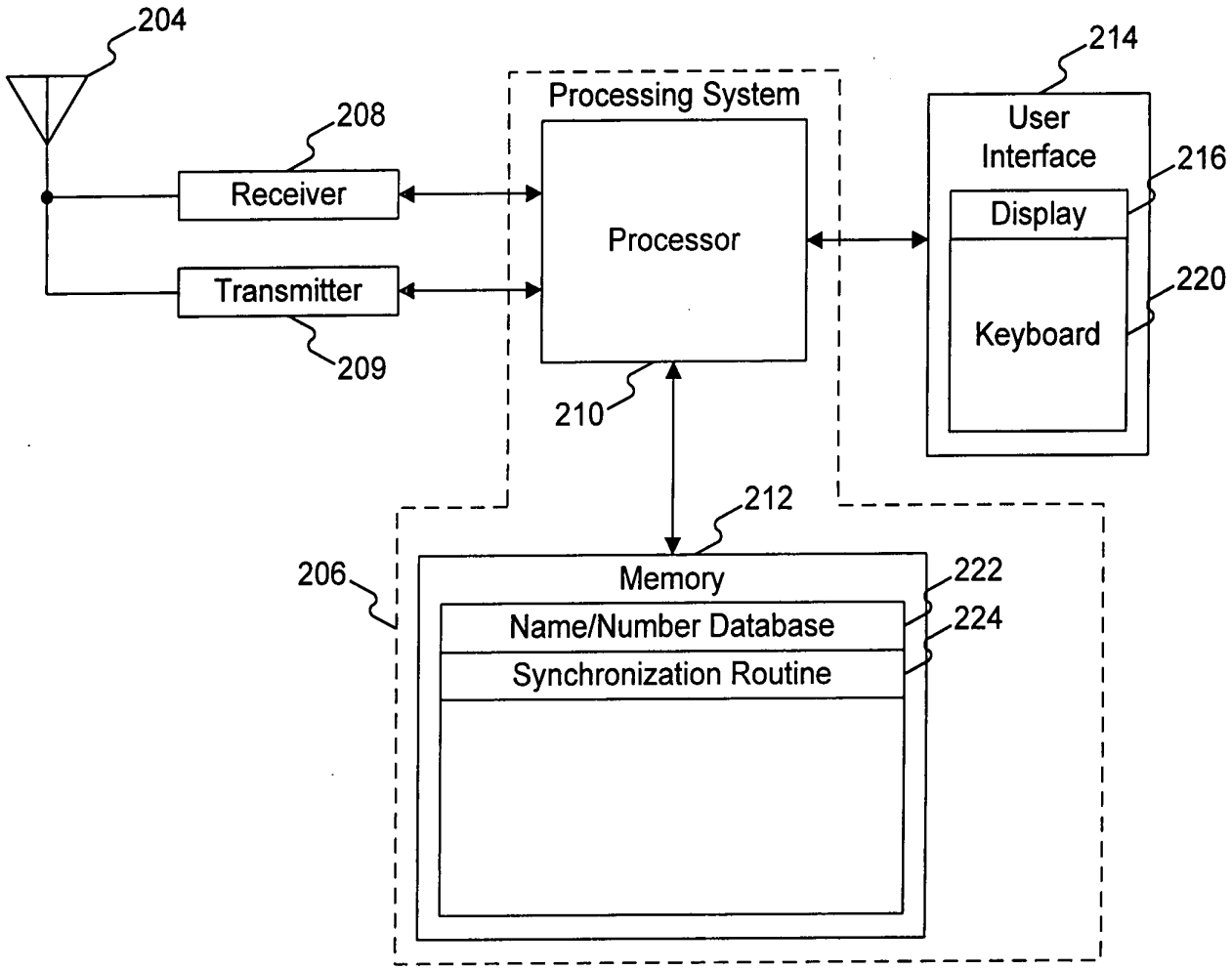
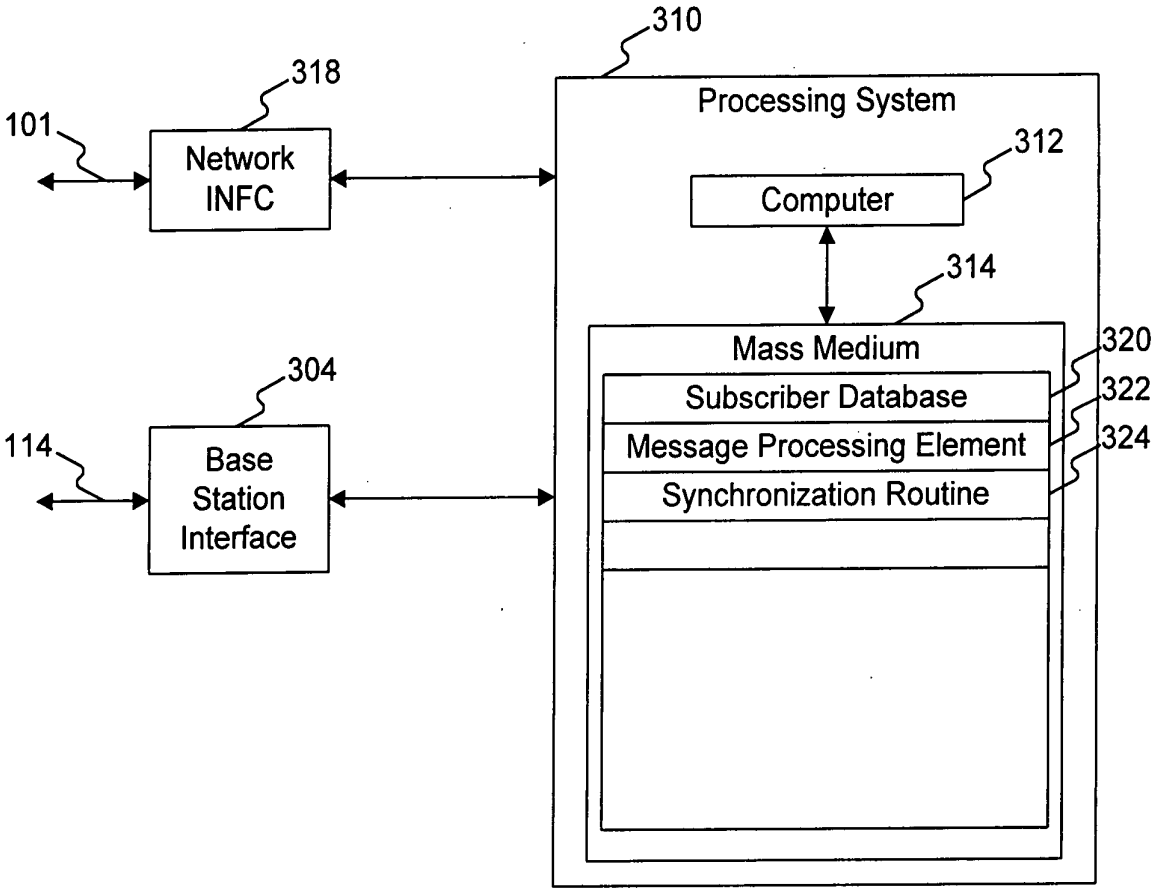


FIG. 2


204
208
Receiver
Transmitter
209
Processing System
Processor
210
214
User Interface
216
Display
220
Keyboard
212
206
Memory
222
Name/Number Database
224
Synchronization Routine

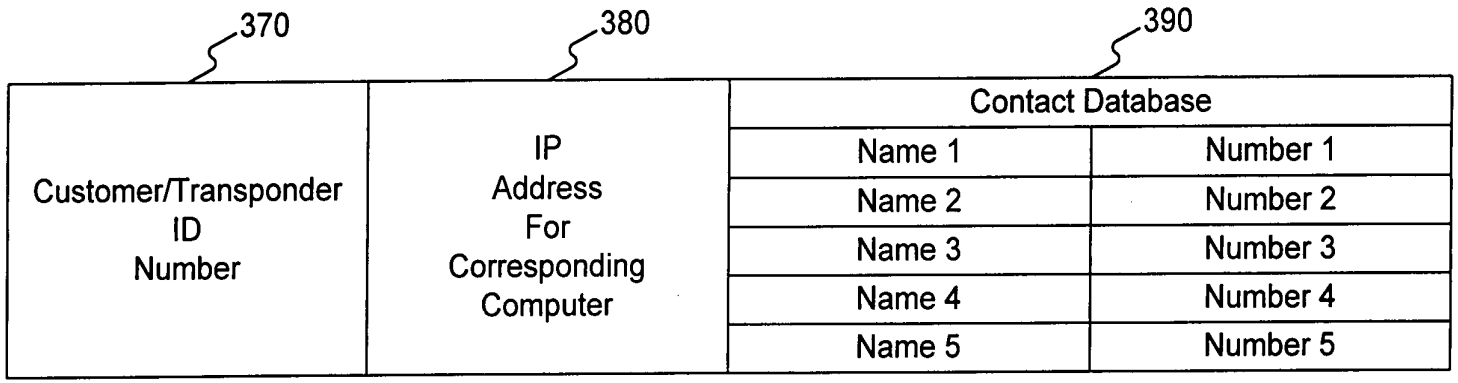
100

FIG. 3


310
Processing System
318
101
Network
INFC
312
Computer
314
Mass Medium
320
Subscriber Database
322
Message Processing Element
324
Synchronization Routine
304
114
Base
Station
Interface

112

FIG. 4


370
380
390
Customer/Transponder ID Number
IP Address For Corresponding Computer
Contact Database
Name 1
Number 1
Name 2
Number 2
Name 3
Number 3
Name 4
Number 4
Name 5
Number 5

350

FIG. 5

Docket Number

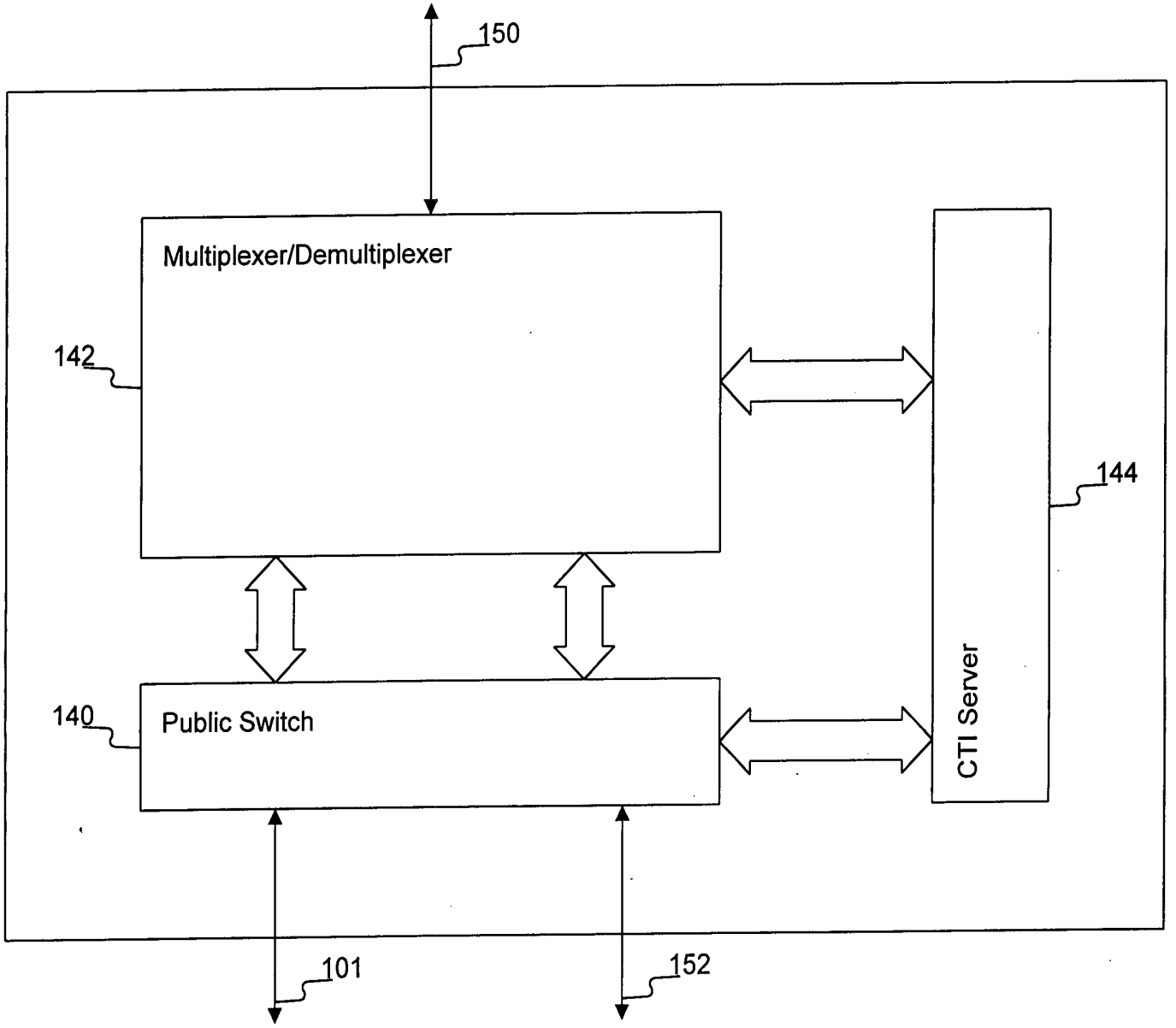


Fig. 6

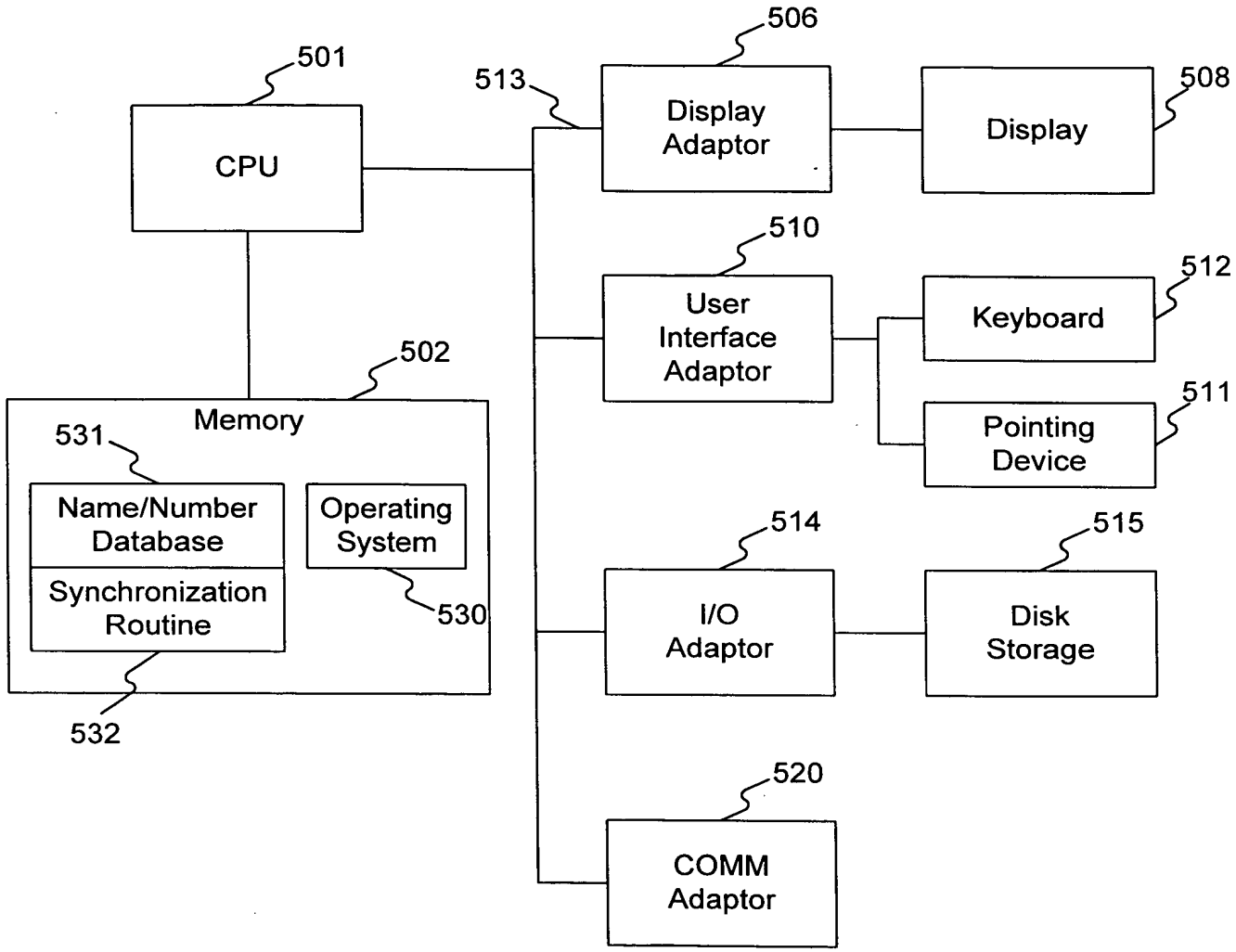

501
CPU
513
506
Display Adaptor
508
Display
510
User Interface Adaptor
512
Keyboard
511
Pointing Device
502
Memory
531
Name/Number Database
Operating System
530
Synchronization Routine
532
514
I/O Adaptor
515
Disk Storage
520
COMM Adaptor

FIG. 7

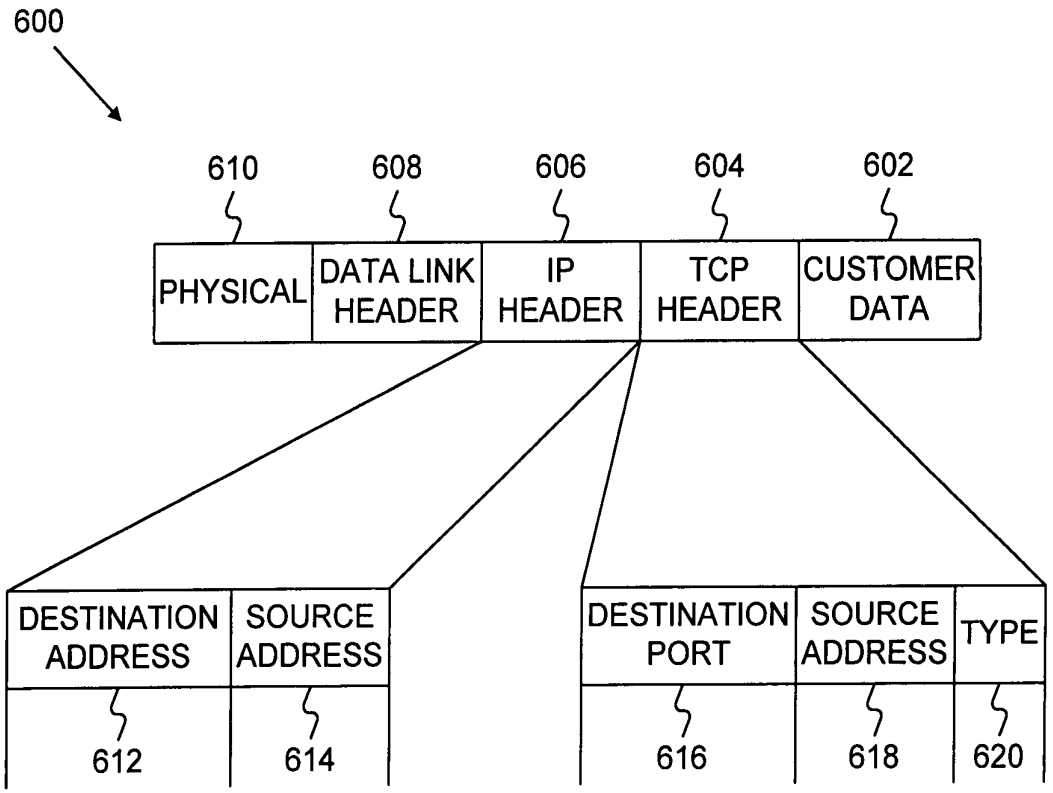

600
610
608
606
604
602
PHYSICAL
DATA LINK HEADER
IP HEADER
TCP HEADER
CUSTOMER DATA
DESTINATION ADDRESS
SOURCE ADDRESS
DESTINATION PORT
SOURCE ADDRESS
TYPE
612
614
616
618
620

FIG. 8

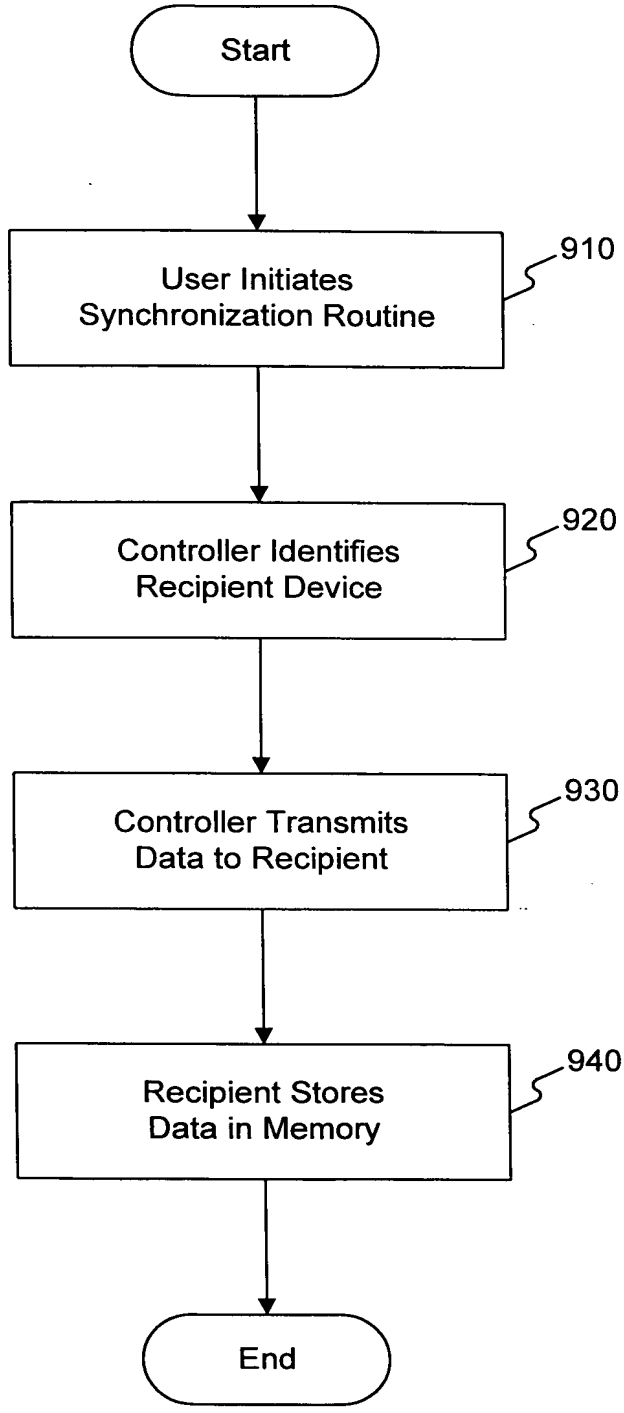

Start
User Initiates Synchronization Routine
910
Controller Identifies Recipient Device
920
Controller Transmits Data to Recipient
930
Recipient Stores Data in Memory
940
End

FIG. 9

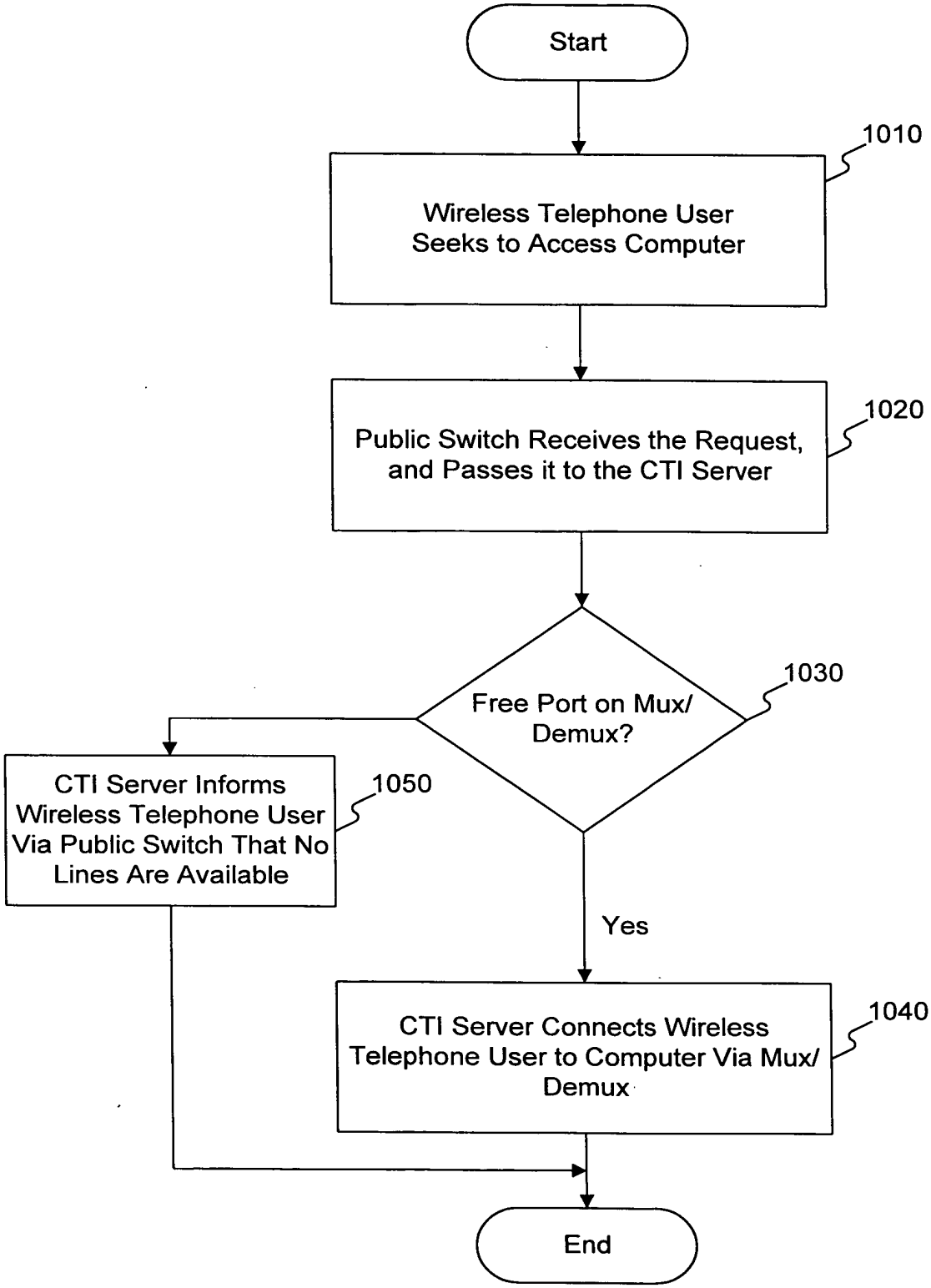

Start
1010
Wireless Telephone User Seeks to Access Computer
1020
Public Switch Receives the Request, and Passes it to the CTI Server
1030
Free Port on Mux/ Demux?
1050
CTI Server Informs Wireless Telephone User Via Public Switch That No Lines Are Available
Yes
1040
CTI Server Connects Wireless Telephone User to Computer Via Mux/ Demux
End

Fig. 10

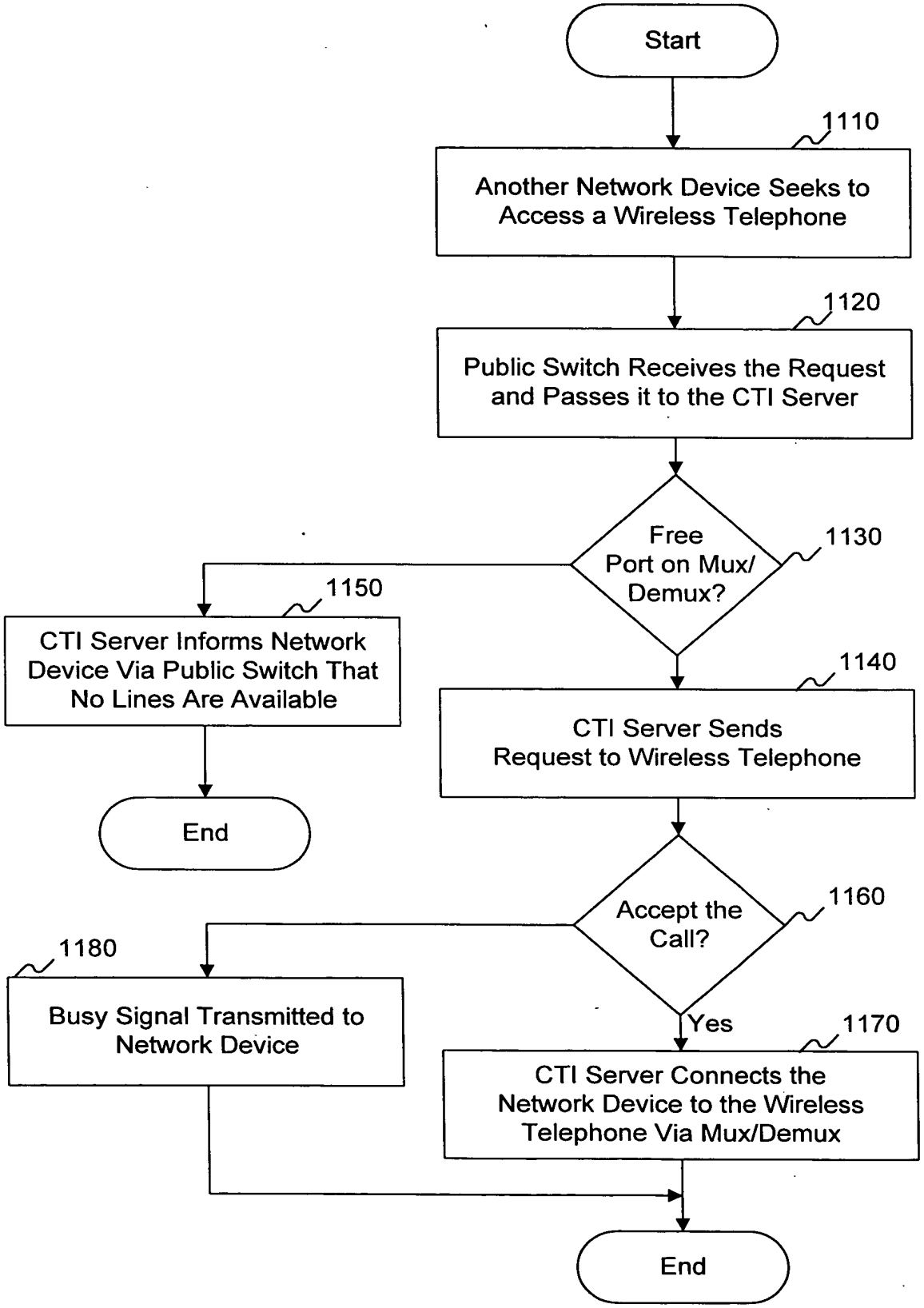

Start
1110
Another Network Device Seeks to Access a Wireless Telephone
1120
Public Switch Receives the Request and Passes it to the CTI Server
Free Port on Mux/ Demux?
1130
1150
CTI Server Informs Network Device Via Public Switch That No Lines Are Available
End
1140
CTI Server Sends Request to Wireless Telephone
Accept the Call?
1160
1180
Busy Signal Transmitted to Network Device
Yes
1170
CTI Server Connects the Network Device to the Wireless Telephone Via Mux/Demux
End

Fig. 11